

IN THE CLAIMS:

1. (Currently Amended) A method of regenerating an immunosensor comprising the step of applying at least one electrical pulse to a bound antibody-antigen complex of an immunosensor whereby the complex debinds responsive to the at least one pulse.
2. (Original) The method of claim 1, wherein the immunosensor further comprises a flexural plate wave sensor.
3. (Currently Amended) ~~An electrophoretic manipulator~~ A system for the regeneration of an immunosensor, the system comprising:
an immunosensor having at least one bound antibody-antigen complex on a surface of the immunosensor;
an the electrophoretic manipulator comprising an electrical pulse applicator, the electrophoretic manipulator adapted to positioned to apply at least one electrical pulse to the surface of ~~an the~~ immunosensor ~~having a bound antibody-antigen complex~~ whereby the complex debinds responsive to the at least one pulse.
4. (Currently Amended) The ~~electrophoretic manipulator~~ system of claim 3, further comprising wireless remote monitoring.
5. (Currently Amended) The ~~electrophoretic manipulator~~ system of claim 3, wherein the immunosensor further comprises a flexural plate wave sensor.